AUTODOC CLUB

How to change front brake discs on **AUDI A8 D3 (4E2, 4E8)** – replacement guide

SIMILAR VIDEO TUTORIAL

This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI A8 D3 (4E2, 4E8) 4.2 quattro, AUDI A8 D3 (4E2, 4E8) 3.7 quattro, AUDI A8 D3 (4E2, 4E8) 4.0 TDI quattro, AUDI A8 D3 (4E2, 4E8) 3.0, AUDI A8 D3 (4E2, 4E8) 6.0 W12 quattro, AUDI A8 D3 (4E2, 4E8) 3.0 TDI quattro, AUDI A8 D3 (4E2, 4E8) 3.2 FSI, AUDI A8 D3 (4E2, 4E8) 3.2 FSI quattro, AUDI A8 D3 (4E2, 4E8) 4.2 TDI quattro, AUDI A8 D3 (4E2, 4E8) 4.2 FSI quattro, AUDI A8 D3 (4E2, 4E8) 3.0 quattro

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: AUDI A6 C6 Saloon (4F2) 2.0 TDI

REPLACEMENT: BRAKE DISCS – AUDI A8 D3 (4E2, 4E8). TOOLS YOU MIGHT NEED:

- Wire brush
- Brake cleaner
- Copper grease
- Torx bit T30
- HEX bit no.H7.
- Drive socket # 21
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Torque wrench
- Tap wrench
- Crow bar
- Wheel chock

Buy tools

Replacement: brake discs – AUDI A8 D3 (4E2, 4E8). AUTODOC recommends:

- Replace the brake disks on the car AUDI A8 D3 (4E2, 4E8) in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE DISCS – AUDI A8 D3 (4E2, 4E8). RECOMMENDED SEQUENCE OF STEPS:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.

2 Secure the wheels with chocks.

3 Loosen the wheel mounting bolts. Use wheel impact socket #17.

4 Raise the front of the car and secure on supports.

5 Unscrew the wheel bolts.

AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. AUDI A8 D3 (4E2, 4E8)

6 Remove the wheel.

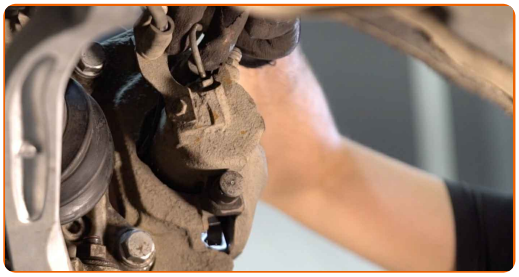
7 Disconnect the brake pads wear sensor. Use a crowbar.

Please note!

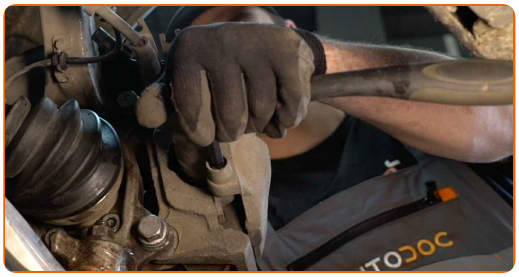
- Some cars are not equipped with the brake pad wear sensor.

8 Spread the brake pads. Use a crowbar.

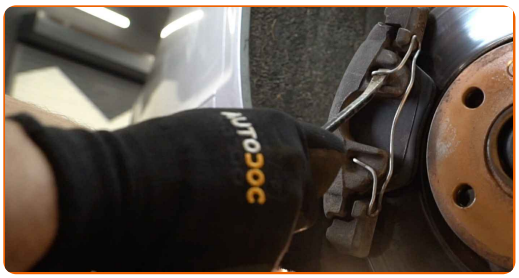
9 Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.



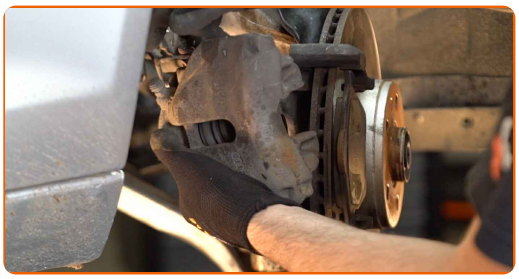
10 Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



11 Detach the brake caliper retaining spring. Use a crowbar.



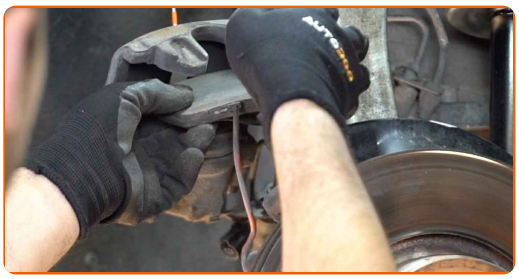
12 Remove the brake caliper.



Replacement: brake discs – AUDI A8 D3 (4E2, 4E8). Tip from AUTODOC experts:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

13 Remove the brake pads.



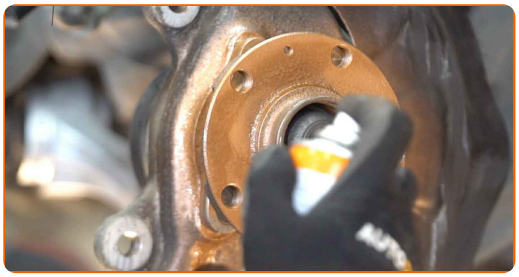
14 Unscrew the caliper bracket fastening. Use a drive socket #21. Use a ratchet wrench. Use a tap wrench.

15 Remove the caliper bracket.

16 Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.

17 Remove the brake disc.

18 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



19 Install the brake disc.

20 Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 5 Nm torque.

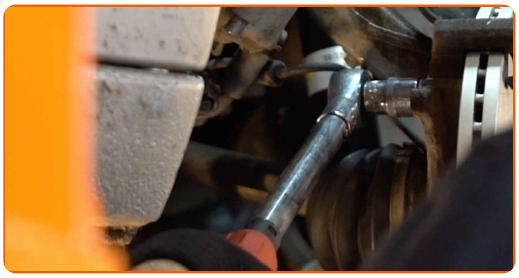
21 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.

AUTODOC recommends:

- Replacement: brake discs – AUDI A8 D3 (4E2, 4E8). After applying the spray, wait a few minutes.

22 Install the brake caliper bracket.

23 Tighten the brake caliper bracket. Use a drive socket #21. Use a torque wrench. Tighten it to 190 Nm torque.



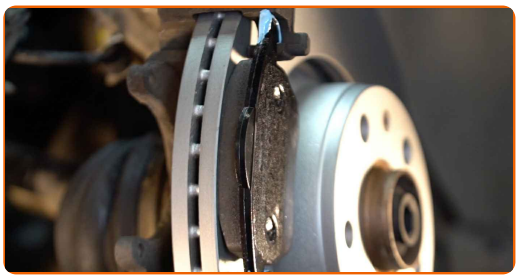
24 Treat the brake caliper piston. Use a brake cleaner.

Replacement: brake discs – AUDI A8 D3 (4E2, 4E8). Professionals recommend:

- After applying the spray, wait a few minutes.

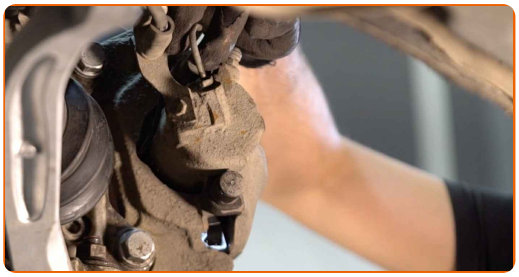
25 Press in the brake caliper piston. Use brake caliper wind back tool.

26 Install the brake pads.

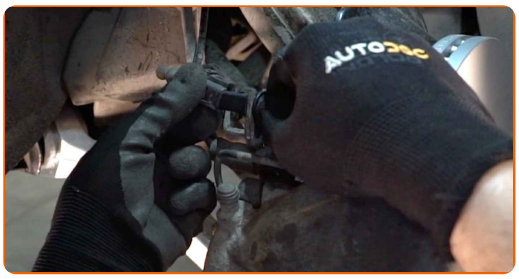


27 Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.

28 Install the dust boot caps of the brake caliper guide pins.



29 Connect the brake pads wear sensor.



30 Install the brake caliper retaining spring. Use a crowbar.

31 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

32 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: brake discs – AUDI A8 D3 (4E2, 4E8). After applying the spray, wait a few minutes.

33 Install the wheel.

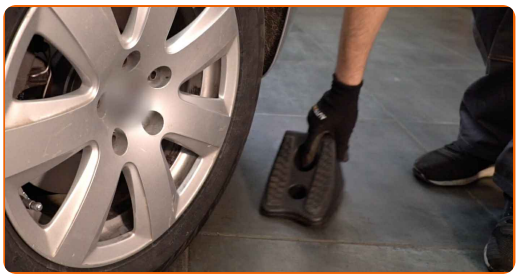
Replacement: brake discs – AUDI A8 D3 (4E2, 4E8). AUTODOC experts recommend:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

34 Screw in the wheel bolts. Use wheel impact socket #17.

35 Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.

36 Remove the jacks and chocks.



AUTODOC recommends:

- Important! Replacement: brake discs – AUDI A8 D3 (4E2, 4E8). Check the brake fluid level in the reservoir and top up if necessary.

37 Tighten the brake fluid reservoir cap.

Replacement: brake discs – AUDI A8 D3 (4E2, 4E8). Tip:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

38 Close the hood.

WELL DONE!

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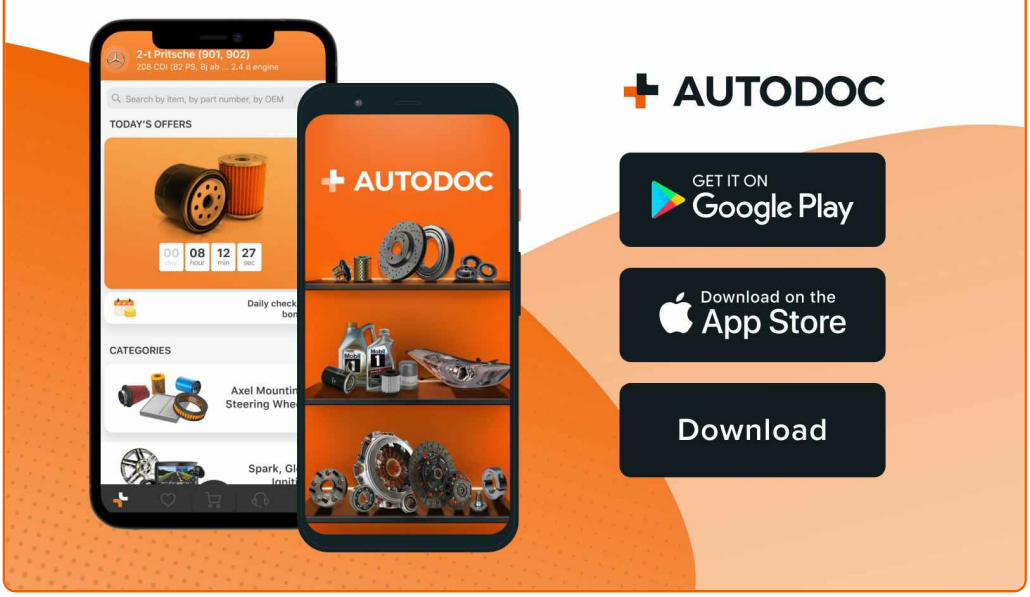

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